

# 1.1-1.2 review

Grade: 10th  
Subject: Biology  
Date: 8/28/13

Aug 28-6:20 PM

1 \_\_\_\_\_ is the production of offspring.

Reproduction

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- 2 Growth is the process of natural changes that take place during the life of an organism.

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- 3 Anything that is part of the environment (internal or external) and causes some sort of reaction by an organism is called ~~a response~~.

a stimulus

True

False

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- 4 A species is group of organisms that can breed with one another and produce fertile offspring.

Aug 28-6:26 PM

- 5 The maintenance of internal conditions in an organism is simply referred to as \_\_\_\_\_.

homeostasis  
internal stay

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6 A(n) \_\_\_\_\_ is any inherited characteristic that results from changes to a species over time.

adaptation

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7 A theory is an explanation that is supported by many experiments and observations.

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8 A scientific law describes relationships in nature to which no exceptions have been found.

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9 Scientific theories do not become scientific laws and scientific laws do not become theories.

True

False

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10 \_\_\_\_\_ is a process of experts evaluating a fellow expert's research findings.

*peer review*

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11 *Ethics* are a set of moral principles or values.

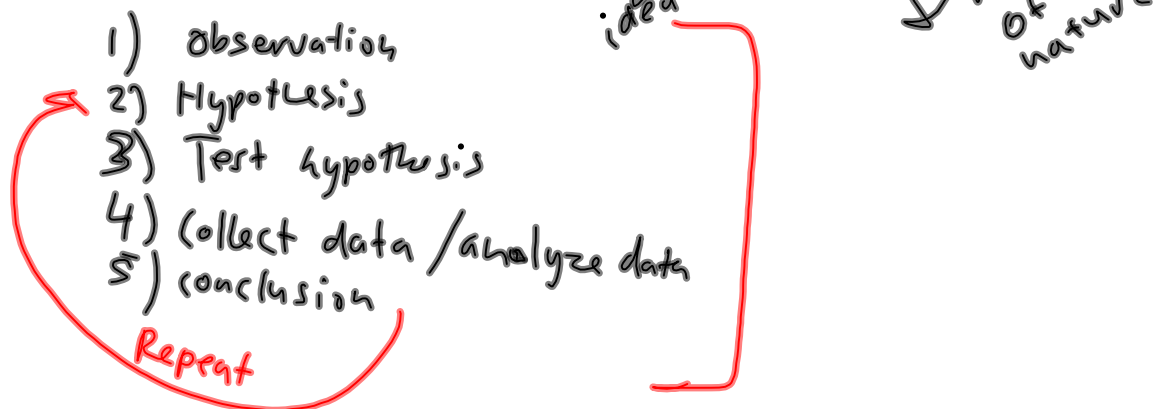
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# Bellringer

9/3/13  
Bellringer

→ what are scientific methods?

→ What is the difference between  
a hypothesis, theory, law?



Sep 3-2:18 PM

You have a bunch of tomato plants.  
A brand-name fertilizer<sup>T.V.</sup> advertises  
that you will get bigger + more  
D.V. tomatoes if you use their fertilizer  
versus a generic brand of fertilizer.  
Design an experiment to test this.

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# 1.3 Review

Grade: 10th  
Subject: Biology  
Date: 9/3

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- 1 Scientific inquiry begins with observation, a direct method of gathering information in an orderly way.

☒ True  
☐ False

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2 A hypothesis is a testable explanation.

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3 When a scientist conducts an experiment, he or she investigates a phenomenon in an ~~un~~controlled setting.

True

False

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4 A control group in an experiment is used for comparison

True

False

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5 The \_\_\_\_\_ group is the group being exposed to the factor being tested.

Experimental Group

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- 6 The \_\_\_\_\_ variable is the factor that is manipulated during an experiment.

Independent  
Variable

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- 7 A \_\_\_\_\_ is a factor that remains fixed during an experiment, in other words, it does not change while the independent and dependent variables change.

constant

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8 \_\_\_\_\_ is information gathered from observations.

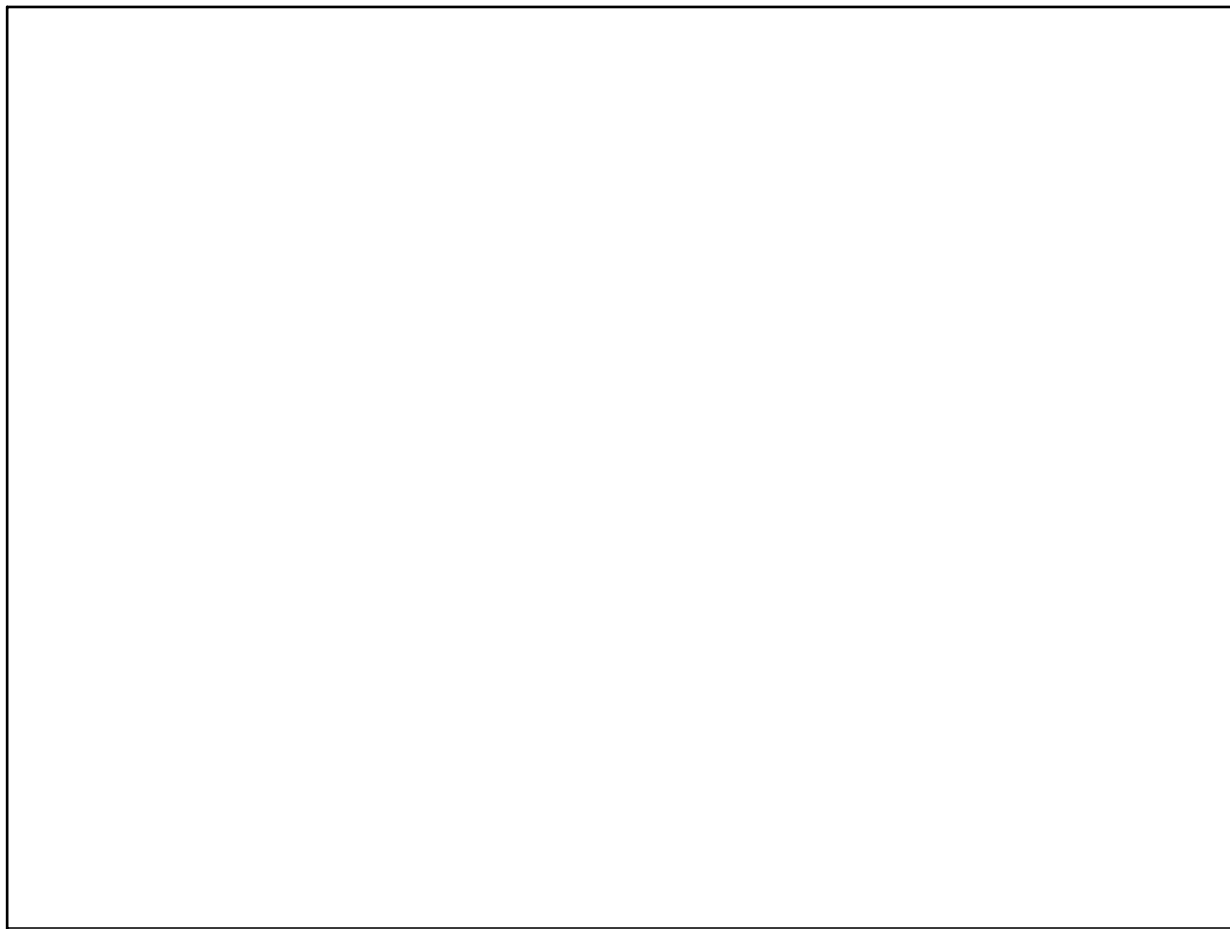
Data

Sep 2-4:49 PM

9 The International System of Units is also known as  
\_\_\_\_\_.

SI Units

Sep 2-4:50 PM



Sep 9-4:46 PM